

Active Recombinant Human IL1B protein, Fc-tagged

Cat. No. IL1B-2121H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL1B protein(Ala 117 - Ser 269), fused with Fc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Ala117-Ser269
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human IL-1 RII, His Tag at 5 µg/mL (100 µL/well) can bind Human IL-1 beta, Fc Tag with a linear range of 4.9-39 ng/mL.
Molecular Mass	This protein carries a human IgG1 Fc tag at the N-terminus. The protein has a calculated MW of 43.8 kDa. The protein migrates as 50-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please protect from light and avoid repeated freeze-thaw cycles. This product is

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stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name IL1B interleukin 1, beta [Homo sapiens]

Official Symbol IL1B

Synonyms IL1B; interleukin 1, beta; interleukin-1 beta; IL 1B; IL1 BETA; IL1F2; IL-1 beta; catabolin; preinterleukin 1 beta; pro-interleukin-1-beta; IL-1; IL1-BETA;

Gene ID 3553

mRNA Refseq NM_000576

Protein Refseq NP_000567

MIM 147720

UniProt ID P01584

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